

**Remarks**

Claims 112-141 are pending in the Application.

Claim 125, 134-135, and 138-141 stand allowed.

Claims 112-119, 121-124, 126-133, and 136-137 stand rejected.

Claim 120 is objected to.

Claims 112, 120 and 124 are amended herein.

**I. EXAMINER INTERVIEW**

On May 24, 2005, the undersigned counsel for Applicant and co-inventor Dr. Ken Smith met with the Examiner Hendrickson and Examiner Lish to discuss the Application and the Final Office Action. Applicant and its counsel appreciate the opportunity to have this discussion and wish to thank the Examiners for the interview.

**II. ALLOWABLE SUBJECT MATTER**

The Examiner indicated that Claim 120 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Office Action, at 3.

Applicant has thus amended Claim 120 and rewritten it in independent form including all of the limitations of the base claim and any intervening claims. Thus, Claim 120 is now in condition for allowance.

Furthermore, the Examiner has indicated that Claims 125, 134-135, and 138-141 are in allowable form. Thus, these claims are also each also in condition for allowance.

**III. REJECTIONS UNDER 35 U.S.C. §§ 102 and 103**

Examiner has maintained the following rejections: (a) Claims 112, 114, 116, 118, 122-124, 127, 129, 131 and 136-137 stand rejected under 35 U.S.C. § 102(a) as being anticipated by or, in the alternative, under 35 U.S.C. § 103(a) as obvious over, *Kiang et al.*, "Carbon Nanotubes

with Single-Layer Walls,” Carbon, 33(7), pp. 903-914, 1995 (“*Kiang*”); (b) Claims 113, 115, 117, 119, 126, 128, 130, and 132 stand rejected under 35 U.S.C. § 102(a) as being anticipated by *Kiang*, as applied above and with Dresselhaus *et al.*, Carbon Nanotubes: Synthesis, Structure, Properties, and Applications, 2001, Springer, pp. 3-6 and 73-75 (“*Dresselhaus*”) to show a state of fact; (c) Claims 113, 115, 117, 119, 126, 128, 130, 132 and 136-137 stand rejected under 35 U.S.C. § 102(a) as being anticipated by or, in the alternative, under 35 U.S.C. § 103(a) as obvious over *Kiang* as applied above; and (d) Claims 121 and 133 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over *Kiang*, as applied to Claims 112 and 124 above, and further in view of *Green et al.*, United States Patent No. 6,090,363 (“*Green*”). Office Action, at 2-3.

During the interview with the Examiners, the Applicant and the Examiners discussed modifying the rejected claims to more positively recite that the substantially two-dimensional array comprised single-wall carbon nanotubes that had ends and that these ends (i) were ordered in substantially the same plane and (ii) formed the substantially two-dimensional array. Applicant further understood the Examiners indicated that claims containing such limitations to the claims would be in a form for allowance.

Accordingly, Applicant has modified independent Claims 112 and 124 to more affirmatively recite these limitations. The remaining rejected claims (113-119, 121-123, 126-133, and 136-137) each depend directly or indirectly from one of these two independent claims. Hence, each of the rejected claims is now in condition for allowance.

Therefore, as a result of the foregoing, Applicant respectfully requests that the Examiner withdraw his rejection of Claims 112-119, 121-124, 126-133, and 136-137 under 35 U.S.C. §§ 102 and 103.

#### IV. CONCLUSION

As a result of the foregoing, it is asserted by Applicant that the claims in the Application are now in condition for allowance, and respectfully requests allowance of such claims.

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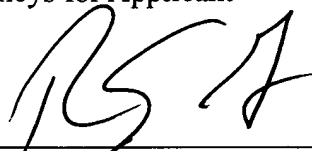
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Applicant respectfully requests that the Examiner call Applicant's attorney at the below listed number if the Examiner believes that such a discussion would be helpful in resolving any remaining problems.

Respectfully submitted,

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